### Section 7





### WISEWOMAN Clinical Services

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### **WISEWOMAN Services**

WISEWOMAN\* services are available only to SMHW clients.

WISEWOMAN offers the following CVH services to help women reduce their risk of heart disease and stroke:

- Risk factor screenings
- Diagnostic and referral services
- LSI

### **Definition of WISEWOMAN Terms**

### **Initial and Annual Screening Assessment**

- The WISEWOMAN screening assessment replaces the 10-minute screening office visit in order to avoid two office visit charges for the same service time. The screening assessment includes:
  - 1) Review of CVH risk factor measurements obtained during the SMHW office visit (two blood pressure measurements, height and weight for BMI).
  - 2) Review of lab work for cholesterol and glucose screening (reimbursed by WISEWOMAN).
  - 3) Assessing need and referring for follow-up lab work and/or follow-up medical evaluation of screening results.
  - 4) Referrals for lifestyle education to reduce risk of CVH.
- The WISEWOMAN CVH assessment should occur at the same appointment as the SMHW screening. Only a limited number of separate WISEWOMAN screening office visits is allowed by CDC. If exceptions are needed, contact the state central office WISEWOMAN staff for approval.
- The first WISEWOMAN assessment is an initial assessment even if the client is having an annual screening for SMHW. Annual WISEWOMAN screening assessments occur 11-18 months following a previous screening assessment. The annual screening assessment repeats the same assessments, clinical measurements, follow-up and referrals as on the initial assessment.

### **Diagnostic Office Visit**

- One diagnostic office visit, either 20 or 30 minutes in length, may be billed for clients with abnormal or alert screening values or risk factors that need further medical evaluation. The diagnostic office visit must be completed by a clinician who can, if needed, prescribe medications or other treatment.
- WISEWOMAN funds are restricted by Congressional law that states funds may only be used for
  prevention services, so additional follow-up office visits to monitor treatment may not be
  reimbursed.
- Screening providers must be able to link clients to medical services for medical evaluation and assist clients with access to low cost or free medication, if needed.

### **Laboratory Work Only (Lab Only)**

- Reimbursement is allowed for the specified CVH screening lab work if the lab work was taken either 30 days before or 30 days after the screening assessment date.
- Reimbursement for completion of second blood draw for lab work is warranted if specified in WISEWOMAN protocols (*refer to page 7.11*).
- If the initial lab work is suspicious for diagnosis of diabetes, an additional fasting lab test is warranted.
- If client risk factors on the CHD Risk Calculation (Section B. on WISEWOMAN Screening Form) total two or more and a fasting lipid panel was not obtained with the initial lab work, a second lab test for a fasting lipid panel is recommended. Only one fasting lipid panel is allowed per year.

### **Lifestyle Education Intervention (LSI) Only**

• If the LSI occurs at a different date or location than the screening office visit, providers should report the LSI by checking this visit type on the WISEWOMAN Screening form.

### **Referral Provider**

Referral providers deliver services that screening providers do not have the ability to provide, such as:

- Diagnostic office visits, which require clinicians who are qualified and licensed to perform the medical evaluation and prescribe medication for abnormal CVH screening results/risk factors.
- LSI which requires trained staff to provide individually tailored counseling based on clients' risk factors and motivation to change.

### 5-A Behavioral Counseling Framework

The 5-A Behavioral Counseling Framework is the theory model used throughout each phase of WISEWOMAN services to facilitate and support clients in making changes to reduce their risk of heart disease and stroke. The 5-A's: Assess, Advise, Agree, Assist, and Arrange serve as a guide to ensure each client receives complete services.

Examples of activities in 5-A's action categories include, but are not limited to the following:

**Assess** heart disease and stroke risk factors, lifestyle behaviors, and readiness to make lifestyle behavior changes.

**Advise** based on screening results (risk counseling) and discuss the benefits of making lifestyle behavior changes to control risk factors.

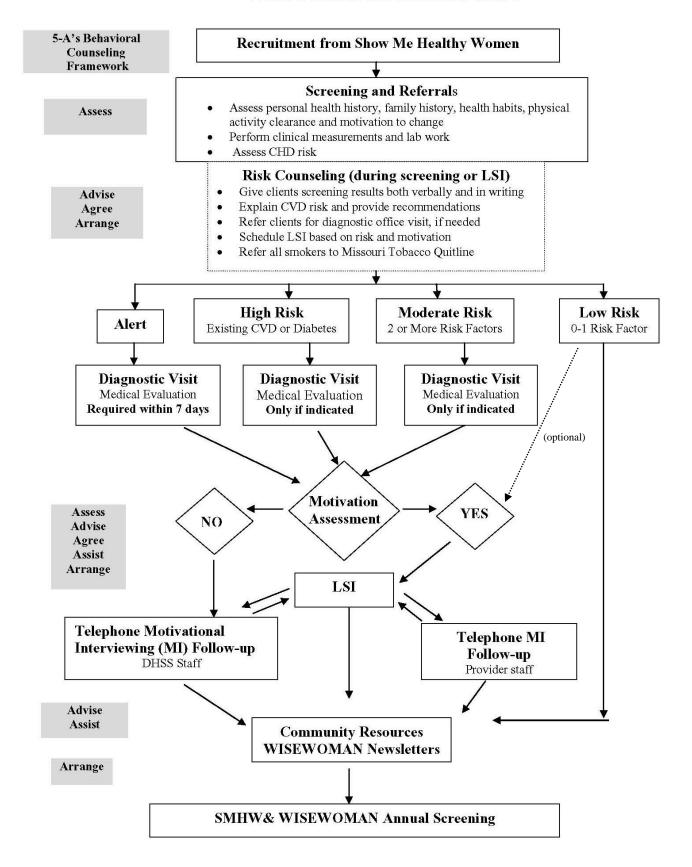
**Agree** using collaborative goal setting for lifestyle behaviors and if needed, obtaining medical care.

**Assist** in identifying strategies to adopt healthy lifestyle behaviors and obtain access to resources needed to control risk factors.

**Arrange** follow-up appointments for lifestyle intervention sessions, diagnostic office visits for medical evaluation, access to low-cost medical or community-based resources and annual screenings.

The flow chart on the following page illustrates how the 5-A's relates to WISEWOMAN services.

### **WISEWOMAN Services Flow Chart**



### **Initial and Annual Screening Requirements**

The WISEWOMAN initial or annual screening includes three major components:

### 1. Assessment Completed by the Client

- The client completes the WISEWOMAN Assessment form prior to the clinical screening as part of the registration process. The pink one-page form is to be completed on both the front and the back. Questions include personal and family history of CVD, lifestyle habits related to CVD risk and motivation and ability to make lifestyle changes.
- Provider staff should review and clarify the clients' responses for any missing or inconsistent responses during the screening visit.

### 2. Clinical Screening Measurements and Assessments

- The standards for cardiovascular health screenings are established by the CDC and the WISEWOMAN Medical Advisory Committee. Screening results are reported on the WISEWOMAN Screening form (also a pink form).
- All of the following must be completed to be reimbursed as a WISEWOMAN screening.

### **Screening Measurements:**

- Height and weight for BMI (refer to page 7.16)
- Two blood pressure measurements (refer to page 7.8)
- Lab work for cholesterol, HDL and blood glucose (refer to page 7.10)

### CHD Risk Calculation:

The assessment questions and screening measurements are used to estimate each client's risk of heart disease. Complete the risk calculator or use the MOSHAIC electronic form to determine the number of risk factors.

### Physical Activity Clearance:

The screening clinician should evaluate the client's physical ability to exercise safely and check the box on the screening form if the client should not participate in physical activity.

### 3. Follow-up and Referrals for Abnormal Values

Providers must ensure that all clients:

- Receive their WISEWOMAN screening results both verbally and in writing.
- Have access to low-cost or free medical evaluation for treatment when screening results indicate medical evaluation based on screening standards (*refer to pages 7.7, 7.9 and 7.12*).
- Are assisted with access to low- or no-cost medications if they require drug therapy (refer to page 7.15).
- Receive lifestyle education to reduce their risk of heart disease and stroke.

Providers must document client refusals to participate in follow-up medical evaluation or lifestyle education and report in the "Comment" section of the screening form. Fax the refusal form (*refer to page 12.38*) to the WISEWOMAN program at (573)522-2899.

### 4. Alert Value Follow-up and Referrals

- Providers must assure that women who have dangerously high alert values have access to medical evaluation and treatment immediately or within seven days of the alert screening value (*refer to page 7.7*).
- The RPC should be notified immediately when an alert value is identified in order to ensure correct tracking and documentation.
- Make and document at least two attempts to contact clients for follow-up of alert findings before
  designating the client as "lost to follow-up." One attempt should be by telephone and one by mail
  and, if no response, then refer promptly to the RPC for further attempts.

### **Documentation of Alert Values:**

The following information regarding alert value follow-up should be documented on the WISEWOMAN screening report.

- Medical evaluation visit date
- Status of work-up: Use the following coding; numbering is not sequential
  - 1. Pending
  - 2. Complete (selected if the medical evaluation has occurred. The "Complete" designation does not refer to the control status of the condition or completion of additional follow-up).
  - 3. Not medically indicated; client being treated
  - 6. Not an alert reading
  - 7. No value recorded
  - 8. Client refused
  - 9. Not completed, client lost to follow-up

The CDC uses the percent of alert values receiving medical evaluation within 7 days and the status of the workup of alert values as a performance measure to evaluate the WISEWOMAN programs.

### **Diagnostic Office Visit Requirements**

A diagnostic office visit may be reimbursed for clients who have an abnormal blood pressure, cholesterol, or blood glucose screening result. The reason for the diagnostic office visit must be documented on the WISEWOMAN Screening form (*refer to page 12.34*).

Diagnostic office visit is considered a follow-up screening assessment. It is not intended to monitor the status of treatment. A diagnostic office visit is scheduled when further evaluation is needed to:

- confirm a new diagnosis of high blood pressure, high cholesterol or diabetes, or
- assess and prescribe medication or other treatment as recommended.

Only clinicians who can medically evaluate the abnormal screening value and prescribe medication may perform the diagnostic visit. If the screening clinic does not have a clinician who can perform the medical evaluations, the client should be referred to a qualified clinician outside of the clinics operations. In this situation, the clinic should have an agreement with the referral clinician regarding billing for the amount that WISEWOMAN will reimburse and how payment will be transferred from the provider to the referral clinician if they are not a WISEWOMAN provider. The WISEWOMAN Referral form (refer to page 12.37) is provided to assist in making referrals for medical evaluation.

Only one diagnostic visit is allowed per annual service cycle. Diagnostic visits should be scheduled as soon as possible after the screening assessment.

The following screening protocols should be followed in determining the need for diagnostic office visits and diagnosis of hypertension, high cholesterol and diabetes.

### **Screening Standards**

	<b>Blood Pressure</b>	Systolic (mmHg)		Diastolic (mmHg)
<b>Blood Pressure</b>	Normal	<120	and	<80
JNC 7 – NHLBI	Prehypertension	120-139	or	80-89
(refer to page 7.9)	Stage 1 Hypertension	140-159	or	90-99
	Stage 2 Hypertension	≥160	or	≥100
	*Alert	>180	or	>110
Cholesterol ATP III – National Cholesterol Education Program, NIH (refer to page 7.12)	Normal Elevated *Alert	mg/dL <200 ≥200 but <400 >400		
		FPG mg/dL	2-h PG mg/dL	
	Normal	<100	<140	
	Impaired fasting	$\ge$ 100 but <126		
Blood Sugar	glucose (IFG)			
American Diabetes	Impaired glucose		$\ge$ 140 and < 200	
Association	tolerance (IGT)			
(refer to page 7.14)			Random or 2-	
	Elevated	$\geq$ 126 but < 275	hr PG	
	*Alert	>275	<u>≥</u> 200	
		or <50	>375	

<sup>\*</sup>Alert measures determined by Centers for Disease Control and Prevention.

### **Blood Pressure Screening Protocols**

The blood pressure screening protocols are based on *The Seventh Report of the Joint National Committee* on *Prevention Detection, Evaluation, and Treatment of High Blood Pressure (JNC 7)*, National Institutes of Health 2003, and CDC's *WISEWOMAN* guidelines.

Reducing high blood pressure has been shown to lower the risk of CVD. In clinical trials, treatment of high blood pressure has been associated with a 35-40 percent reduction in stroke incidence, a 20-25 percent reduction in heart attacks, and more than a 50 percent reduction in heart failure.

### **Accurate Blood Pressure Measurement\***

- 1. Clients should refrain from smoking, exercising or ingesting caffeine for at least 30 minutes before measurement.
- 2. Clients should be seated quietly for at least five minutes in a chair (rather than on an exam table), with feet on the floor, and arm supported at heart level.
- 3. Clients should be relaxed and not talking.
- 4. An appropriate size cuff (cuff bladder encircling at least 80 percent of the arm) should be used to ensure accuracy. Many adults require a large adult cuff.
- 5. Make the measurement with a mercury sphygmomanometer, a recently calibrated aneroid manometer, or a validated electronic device.
- 6. SBP is the point at which the first of two or more sounds is heard (phase one) and DBP is the point before the disappearance of sounds (phase five).
- 7. At least two measurements, separated by about two minutes, should be measured and recorded. If the first two readings differ by more than 5mm Hg, obtain additional readings.
- 8. Clinicians should provide the client, both verbally and in writing, their specific blood pressure numbers and goals.
- \*Accurate blood pressure measurements are necessary for correct diagnosis and classification of hypertension. The JNC 7 guidelines may be accessed at: http://www.nhlbi.nih.gov/guidelines/hypertension

### **Blood Pressure Classification**

Elevated blood pressure measurements, with the exception of alert values, should be confirmed with a second measurement at a follow-up visit, if feasible.

**Blood Pressure Classification and WISEWOMAN Services** 

Classification	SBP (mmHg)	DBP (mmHg)	WISEWOMAN Service	*Recommended JNC 7
				Treatment (Treatment not reimbursed by SMHW)
Normal	< 120	and < 80	- LSI	
Pre-hypertension	120-139	or 80-89	LSI     For compelling conditions, refer for medical evaluation treatment	<ul> <li>Drug therapy for compelling conditions (diabetes, existing CVD, chronic kidney disease)</li> <li>Refer to specific JNC 7 guidelines</li> </ul>
Stage 1 Hypertension (HTN)	140-159	or 90-99	<ul> <li>LSI</li> <li>Confirm new HTN with rescreen &lt; 2 months</li> <li>Medical referral for confirmed HTN</li> </ul>	<ul> <li>Drug therapy</li> <li>Consider two-drug therapy</li> <li>Refer to specific JNC 7 guidelines</li> </ul>
Stage 2 Hypertension	<u>≥</u> 160	or ≥100	<ul> <li>LSI</li> <li>Confirm HTN with rescreen &lt; 1 month</li> <li>Medical referral for confirmed HTN</li> </ul>	
Alert	> 180	or >110	<ul> <li>Refer for immediate (&lt; 7 days) medical evaluation</li> <li>Track and report date of medical evaluation and treatment</li> <li>Case Management</li> <li>LSI</li> </ul>	Drug therapy     Refer to specific JNC 7     guidelines

<sup>\*</sup>Federal WISEWOMAN legislation excludes use of funds for medical treatment.

The JNC 7 report recognizes that the responsible physician's judgment remains paramount.

Although treatment services are not reimbursed for WISEWOMAN clients, providers are responsible to assure that women receive assistance with access to the recommended medical evaluation and treatment, including low- or no-cost prescription medications.

### **Laboratory Test Protocols**

### **Screening Assessment Lab Work**

Laboratory tests are required for completion of the initial and annual office visit. An allowance may be made for lab work completed up to 30 days prior or 30 days following the screening office visit. It is recommended that the WISEWOMAN Assessment form (*refer to page 12.32*) be completed by the client prior to her receiving her lab results. This is to assure consistent client responses relating to previous diagnosis of high cholesterol or diabetes prior to the WISEWOMAN screening assessment.

### Required blood results include:

- TC and HDL-C
  - If client is fasting, obtain TC and HDL-C using a FLP.
  - If client is not fasting, obtain only TC and HDL-C.
  - Only one FLP will be reimbursed per client per year.
- Blood glucose or A1C
  - For blood glucose, use either quantitative blood glucose or, reagent strip blood glucose.
  - A1C is required if client has previous diagnosis of diabetes.
  - A1C may be used for screening for diabetes instead of the glucose test. (Note the previous diagnosis on the WISEWOMAN Assessment form).
  - Reimbursement will be made for either blood glucose or A1C, but not both at the screening office visit.
- Fasting status must be reported. Check "Yes" or "No" for clients fasting status on the WISEWOMAN screening form.

### **Lab Work Summary**

### **If client is NOT fasting:**

- Total blood cholesterol and HDL-C
- Glucose quantitative or blood glucose reagent strip or A1C

### If client is fasting:

- o Fasting Lipid Panel
- Glucose quantitative or blood glucose reagent strip or A1C



### **Second Lab Work**

Reimbursement is provided for a second blood draw for clients who need follow-up screening. The client must be fasting for the second blood draw and it must be obtained on a different date.

The following lab tests qualify for a second blood draw.

- Fasting lipid panel (if not done on initial screening). Order if total cholesterol and/or HDL cholesterol are abnormal at first office visit or if client has two or more CVD risk factors (refer to page 12.34, Section F).
- Blood glucose, quantitative or BG strip (fasting).

If the client has a diagnostic office visit and needs lab, schedule the lab work so the results are available at the time of the diagnostic medical evaluation.

Check "Lab Only" on the top of the screening form when reporting lab work not completed on the screening assessment date.

### **Cholesterol Screening Protocols**

Cholesterol screening protocols are based on *ATP III (Third Report of the Expert Panel on Detection, Evaluation, and Treatment of High Cholesterol in Adults)*, National Cholesterol Education Program, National Institutes of Health, 2001 and *NCEP Report: Implications of Recent Clinical Trials for the National Cholesterol Education Program Adult Treatment Panel III Guidelines*. Circulation July 13, 2004. <a href="http://www.circulationaha.org">http://www.circulationaha.org</a>.

Elevated blood cholesterol is a major risk factor for heart disease. Identifying and reducing high blood cholesterol has been shown to reduce the risk of heart disease.

### **Cholesterol Classification and WISEWOMAN Services**

Classification	Blood Cholesterol (mg/dL)	WISEWOMAN Service	*ATP III Treatment (Treatment not reimbursed by SMHW)	
Desirable	< 200	- LSI		
Borderline High	200-239	<ul><li>LSI</li><li>Medical referral if high risk</li></ul>	Refer to ATP	
High	≥ 240	- LSI - Medical referral	III for drug treatment guidelines	
Alert	400	<ul> <li>Treatment</li> <li>Track and report date of medical evaluation and treatment</li> <li>Case management</li> <li>LSI</li> </ul>	based on CVD risk factors	



### Major Risk Factors that Modify Low Density Lipid Goals Resources for Evaluation and Treatment

LDL goals should be modified and women referred to the lifestyle interventions if any of the following additional risk factors are present.

- Cigarette smoking
- Hypertension (BP >140/90 mm/Hg or on antihypertensive medication)
- Low HDL Cholesterol (< 40 mg/dl)\*
- Family history of premature CVD (CVD in male first degree relative <55 years or female first degree relative <65 years)
- Age >55 years

### If a woman has two or more of the major risk factors, a fasting lipid panel is recommended.

Risk Classification	LDL Goal mg/dL	Initiate TLC mg/dL	Consider Drug Therapy mg/dL (Treatment not reimbursed by WISEWOMAN)
High risk: CVD, non-coronary forms of atherosclerosis, diabetes or 10-year risk score >20 percent	< 100 < 70 optimal	≥ 100	100 + < 100 optional
Moderately high risk: 2 + risk factors and 10-year risk score 10-20 percent	< 130 < 100 optimal		≥ 130 100-129 optional
Moderate risk: 2 + risk factors and 10-year risk score <10% percent	< 130		≥ 160
Lower risk: 0-1 risk factor	< 160	≥ 160	≥ 190 160-189 optional

Source: NCEP Report: Implications of Recent Clinical Trials for the National Cholesterol Education Program Adult Treatment Panel III Guidelines. Circulation. July 13, 2004. <a href="http://www.circulationaha.org">http://www.circulationaha.org</a>.

<sup>\*</sup> HDL cholesterol  $\geq$  60 counts as a "negative" risk factor. A high HDL removes one risk factor from the total count.

### **Diabetes Screening Protocols**

Diabetes screening protocols are based on American Diabetes Association's Clinical Practice Guidelines, 2010.

The WISEWOMAN program provides reimbursement for blood glucose screening since individuals with undiagnosed or uncontrolled diabetes are at significantly higher risk for stroke, coronary heart disease and peripheral vascular disease. Cardiovascular risk factors of dyslipidemia, hypertension and obesity occur more frequently in people with diabetes.

If results from the first glucose screening at the initial visit are abnormal, the WISEWOMAN program will reimburse providers for one follow-up fasting blood glucose test. Two abnormal test results on two different days are necessary for the diagnosis of diabetes.

### An A1C test is not to be used as a screening or diagnostic test.

### **Blood Glucose Classification and WISEWOMAN Services**

Classification	Blood Glucose mg/dL	WISEWOMAN	*ADA Clinical Practice Guidelines – Treatment
Desirable	FPG < 100	- LSI	
Prediabetes Impaired Fasting Glucose (IFG)	FPG ≥ 100, but < 126	LSI     Medical referral if high risk	
Diabetes	FPG ≥126 mg/dL Casual ≥ 200	<ul> <li>Rescreen on different day</li> <li>LSI</li> <li>Medical referral for confirmed new diabetes</li> </ul>	- Medical evaluation and treatment based on ADA
Alert	FPG or Casual > 375	<ul> <li>Refer for immediate (&lt; 7 days)     medical evaluation and     treatment</li> <li>Track and report date of     medical evaluation and     treatment</li> <li>Case Management</li> <li>LSI</li> </ul>	guidelines, including drug therapy if needed  - Diabetes education

 $<sup>*</sup>Federal\ WISEWOMAN\ legislation\ excludes\ use\ of\ funds\ for\ medical\ treatment.$ 

Although treatment services, including diabetes education and medical nutrition therapy, are not reimbursable through the WISEWOMAN program, providers are responsible for assuring that women receive assistance with access to the recommended medical evaluation and treatment, including low- or nocost prescription medications.

All women, even if screening measurements are normal, should be scheduled for the lifestyle education intervention and annual screening assessment at 11-18 months following the initial screening assessment.

All women with elevated values should be instructed on goals for blood glucose levels.

# State of Missouri Consensus Screening Guidelines for Pre-diabetes and Diabetes in a Medical Setting

Developed by the Diabetes Screening Guidelines Work Group and supported by the Missouri Association of Health Plans Education and Research Foundation and the Missouri Department of Health and Senior Services

AND No risk factors (skip to step 4) Normal weight individuals for type 2 diabetes, impaired glucose tolerance, or impaired fasting glucose. The purpose of screening is to identify persons previously not diagnosed with pre-diabetes or diabetes. To **Every 3 Years** Adults >45 Sonse Sanal Recommendations: Although the entire Missouri population is at risk for diabetes, current evidence is insufficient to recommend for or against routinely screening asymptomatic effectively utilize resources, screening efforts should be directed to individuals exhibiting risks for diabetes as outlined below. Additional research is needed to determine effective approaches for .2 hrs. after 75g glucose, value is ≥140-199 (pre-diabetes); ≥200 (diabetes) Delivered a baby weighing >9 lbs. or has been diagnosed with Gestational Diabetes Screen as in 1 through 3 · Clinical conditions associated with insulin resistance (e.g., acanthosis nigricans) Dyslipidemia
 – HDL cholesterol <35 mg/dl (0.90 mmol/l) and/or triglyceride level</li> Results Normal Previous impaired glucose tolerance (IGT) or impaired fasting glucose (IFG) Physical inactivity (<30 min. of moderate activity 5+ days/week or <20 min.</li> Original Effective Date: 1/18/2006 OR 1 risk factor below BMI >25 kg/m<sup>2</sup> Adults >45 Annually 100-125 mg/dL (may indicate pre-diabetes) Family history of diabetes (especially 1st degree relatives) REQUIRES ADDITIONAL TESTING IF: ≥126 mg/dL (may indicate diabetes) · High risk ethnic population (see list under children) Polycystic Ovary Syndrome (PCOS) AND 1 risk factor below vigorous activity 3+ days/week) Hypertension (≥140/90 mmHg) Adults 18-45 years 2. Implement treatment plan including lifestyle modification 3. Screen for other Cardiovascular Disease Risk Factors: History of vascular disease BMI >25 kg/m<sup>2</sup> >250 mg/dl (2.82mmol/l) OTHER RISK FACTORS Annually >150 mg/dL >130/85 mmHg Repeat tests on subsequent day to diagnose ≤40 mg/dL Impaired Glucose Tolerance (IGT) Fasting Plasma Glucose (FPG) Fasting Plasma Glucose (FPG) Fasting Triglycerides (includes children if in puberty) Blood Pressure SCREENING TESTS Children/Adolescents AND Two (2) Risk Factors >85th percentile for age & Signs of insulin resistance (acanthosis nigricans, hypertension, or Weight is >120% of 10-17 years or >85th percentile **Every 2 Years** 금 weight for height AND ideal for height Race ethnicity (Native American, African American, Family history of type 2 diabetes (1st/2nd degree); Hispanic American, Asian/South Pacific Islander gender dyslipidemia, polycystic ovary syndrome) Reference: American Diabetes Association Standards of Medical Care in Diabetes, Diabetes Care 28:S5-S7, 2005. TWO (2) OF THE FOLLOWING: unless onset of puberty Routine screening NOT Children <10 has occurred. IF SO, recommended screening in venues outside the medical setting. Other Risk Factors Screening Tests Results/Action Overweight Frequency Age က ci 4 5 ø.

### **Medication Access**

WISEWOMAN funds cannot be used for treatment services, including prescription medications or follow-up office visits with the purpose of monitoring and adjusting medications. Although WISEWOMAN cannot fund treatment, providers are required to have a system in place to assist women in receiving treatment, including medications, recommended by national guidelines. The following table provides resources for discounted or free medications.

Providers are encouraged to contact any major retail chain pharmacies in their area for information on low-cost generic medications.

Patient and Physician Resources for Discounted and Free Medication\*

Resource	Description	Contact Information
Missouri RX	MoRx is Missouri's State Pharmacy	http://www.morx.mo.gov
Plan (MoRx)	Assistance Program. MoRx was created	
	by the 93rd General Assembly to provide	
	prescription drug assistance to	
	Missourians in need by coordinating	
	benefits with Medicare's (Part D)	
	Prescription Drug Program.	
340B Drug	A Health Resources and Services	http://www.hrsa.gov/opa/introduction.htm
Discount	Administration program that gives certain	
Program	federally funded grantees access to low-	
	cost pharmaceutical drugs.	
Rx Assist	A Web site developed by Volunteers in	http://www.rxassist.org/
	Health Care, a program of the Robert	
	Wood Johnson Foundation, to provide	
	health care practitioners with information	
	on how to access programs that offer a	
	limited supply of free or low-cost	
	medications.	
Rx Hope	A free program that helps physicians'	https://www.rxhope.com/
	offices apply for, obtain, and track requests	
	for no-cost medications offered by federal,	
	state, and charitable organizations.	
The Medicine	A program that helps clients apply to	http://www.freemedicineprogram.org/
Program	pharmaceutical companies' indigent patient	
	programs.	
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<sup>\*</sup>Links are provided solely as a service and do not constitute endorsements of these organizations or their programs.

### **Overweight and Obesity Assessment**

Assessment and treatment guidelines for overweight or obese WISEWOMAN clients are based on the recommendations of the Health Care Work Group of the Missouri Council for Activity & Nutrition (MoCAN).

Height and weight measurements for determining BMI are to be obtained at the Show Me Healthy Women screening office visit. BMI is calculated using the following formula.

$$BMI = \frac{\text{weight (kg)}}{\text{height squared (m}^2)} \qquad BMI = \frac{\text{weight (lbs)}}{\text{height squared (in}^2)} \times 703$$

Use the BMI chart (refer to page 7.20) or a BMI wheel for quick BMI assessment.

### **MoCAN Activity & Nutrition Provider Tool Kit**

The following information is included in the MoCAN Adult Activity & Nutrition Health Care Provider Tool Kit. MoCAN originated as an entity of the Missouri Department of Health and Senior Services' Bureau of Health Promotion and is now housed at the University of Missouri Extension. The tool kit was designed to assist doctors and other health professionals to screen for and treat adult overweight and obesity. This information is being reproduced with MoCAN's permission.



### **Health Consequences of Obesity**

According to the 2001 *U.S. Surgeon General's Call to Action to Prevent and Decrease Overweight and Obesity,* those who are overweight or obese are at a greater risk for the following health conditions:

### Premature Death:

- Individuals who are obese have a 50 to 100% increased risk of premature death from all causes, compared to individuals with a healthy weight.
- An estimated 300,000 deaths per year may be attributable to obesity.
- The risk of death rises with increasing weight.
- Even moderate weight excess (10 to 20 pounds for a person of average height) increases the risk of death, particularly among adults aged 30 to 64 years.

### Heart Disease:

- The incidence of heart disease is increased in persons who are overweight or obese.
- High blood pressure is twice as common in adults who are obese than in those who are at a healthy weight.
- Obesity is associated with elevated triglycerides and decreased HDL cholesterol.

### Diabetes:

- A weight gain of 11 to 18 pounds increases a person's risk of developing type 2 diabetes to twice that of individuals who have not gained weight.
- More than 80% of people with diabetes are overweight or obese.

### Cancer:

- Overweight and obesity are associated with an increased risk for some types of cancer including endometrial (cancer of the lining of the uterus), colon, gallbladder, prostate, kidney and postmenopausal breast cancer.
- Women gaining more than 20 pounds from age 18 to midlife double their risk of postmenopausal breast cancer, compared to women whose weight remains stable.

### **Breathing Problems:**

• Obesity is associated with a higher prevalence of asthma.

### Arthritis:

• For every two-pound increase in weight, the risk of developing arthritis is increased by 9 to 13%.

### Reproductive Complications:

• In addition to many other complications, women who are obese during pregnancy are more likely to have gestational diabetes and problems with labor and delivery.

### **Benefits of Weight Loss**

- Weight loss, as modest as 5 to 10% of total body weight in a person who is overweight or obese, reduces the risk factors for some diseases, particularly heart disease.
- A person with a Body Mass Index (BMI) above the healthy weight range may benefit from weight loss, especially if he or she has other health risk factors, such as high blood pressure, high cholesterol, smoking, diabetes, a sedentary lifestyle, and a personal and/or family history of heart disease.
- Weight loss can result in lower blood pressure, lower blood sugar, and improved cholesterol levels.

### **Metabolic Syndrome**

According to the National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III), metabolic syndrome is defined as having three or more of the traits shown below. Identification of metabolic syndrome requires even greater urgency for the treatment of overweight or obesity.

Risk factor	Defining level
Abdominal obesity Men	Waist circumference >40 in (>102 cm)
Women	>35 in (>88 cm)
Triglycerides	>150 mg/dL
High-density lipoprotein (HDL) cholesterol	
Men	<40 mg/dL
Women	<50 mg/dL
Blood pressure	≥130/≥85 mmHg
Fasting glucose	110-125 mg/dL (ATP III defines as ≥110)

### Assessment and Treatment of Adult Overweight and Obesity

# Vaist Circumference

## How to measure waist circumference:

Locate the upper hip bone and the top of the right iliac crest. Place a measuring tape in a horizontal lane around the abdomen at the evel of the iliac crest. Before reading the tape measure, ensure that the tape is snug, parallel to the floor. The measurement is made at the end of a normal expiration. but does not compress the skin, and is \*High-Risk Waist Circumference:



Women: >35 in (>88 cm)

# Step 2. Determine Body Mass Index (BMI

Use BMI Chart or one of the formulas below: BMI = weight (kg)/height squared (meters)

If pounds and inches are used:

BMI = [weight (lbs) x 703]/height squared (inches)

BMI	<18.5	18.5-24.9	25-29.9	30-34.9	35-39.9	ass III) >40
Class	Underweight	Normal Weight	Overweight	Obesity (Class I)	Obesity (Class II)	Extreme Obesity (Class III)

Patients can be classified as being at high absolute risk for obesity-related disorders if they have three or more of the multiple risk factors listed below:

- · Cigarette Smoking
- Hypertension
- Family history of premature CHD
- High LDL cholesterol (≥ 160 mg/dL)
  - Low HDL cholesterol (<35 mg/dL)
- Impaired fasting glucose (110-125 mg/dL)

# Step 4.

- determine readiness to make healthy changes. · Ask your patient to fill out Handout A to
- · A patient that is not ready to make changes may ance of weight loss and the health risks associstill benefit from a discussion about the imporated with overweight and obesity.

### Step 5. Determine Treatment

		BMI Category	tegory		
Freatment	25-26.9	27-29.9	30-34.9	25-26.9 27-29.9 30-34.9 35-39.9	>40
Diet, physical	+	+	+	+	+
activity &					
behavior					
change					
Pharmaco-		With	+		+
therapy		comor-			
		bidities			
Surgery				With	+
				comor-	
				bidities	

### Step 6.

- oriority for the patient and involve small changes. Set reasonable weight goals that are a high
  - · Involve a variety of health care professionals when possible (e.g., Registered Dietitian or Behaviorist).

not exceed 1-2 lbs/week and should be based on chronic disease risk factors. Weight loss should Reducing weight by 5% - 10% can decrease a calorie deficit of 500 - 1,000 kcal/day.

# Step 7. Recommend Treatment Options

Tailor treatment to individual needs of patient.

### Step 7a. Prescribe Dietary Therapy

- · Reduce calories by 500 to 1,000 calories/day from the current level and have patient keep food diary.
- foods from the basic food groups and limit intake of · Recommend eating a variety of nutrient-dense saturated and trans fats, added sugars, salt, and alcohol.

### Step 7b. Recommend Physical Activity Guidelines Handouts F, G

- Previously sedentary people should start with short gradually build up to the desired level of activity. sessions (5-10 minutes) of physical activity and
- active for at least 30 minutes on most or all days of · To reduce chronic disease risk: Be physically the week.
- To lose weight: Be physically active for 60 to 90 ninutes a day.

### Step 7c. Suggest Behavior Therapy:

- · Address the patient's barriers about ability to make and maintain needed changes.
  - Recommend specific lifestyle changes.
- Create a plan to promote weight loss or prevent urther weight gain.

# Step 7d. Consider Additional Treatment Options

### **Pharmacotherapy**

- Medications should only be considered if lifestyle changes do not induce weight loss after 6 months.
- Weight loss drugs (FDA approved) may be used as part of a weight loss program for patients:
  - obesity-related risk factors or diseases OR • With a BMI >=30 with no accompanying
- With a BMI >=27 with accompanying obesity-

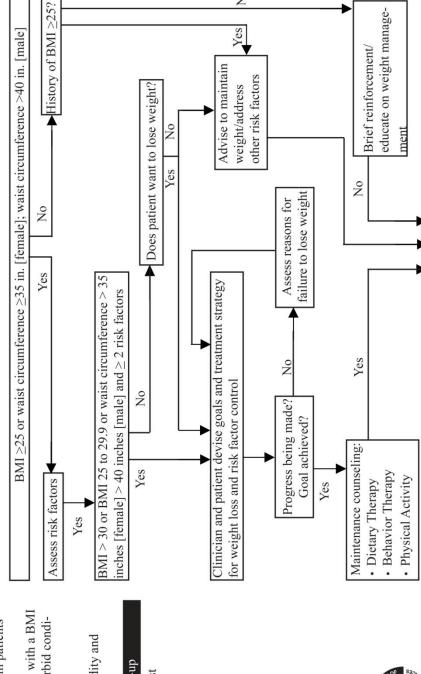


· Weight loss surgery is a possible option in patients who encompass the following:

Algorithm of Assessment and Treatment

- · Clinically severe obesity (i.e., persons with a BMI >=40 or with a BMI >=35 with comorbid conditions).
- · Less invasive methods have failed.
- · At high risk for obesity-related morbidity and mortality (NHLBI)

Step 8. Continue Monitoring and Follow-up · Conduct periodic weight, BMI, and waist circumference checks.



No

Yes

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responsibility of the authors and do not represent

the official views of CDC.

Periodic weight, BMI, and waist circumference check

Promotion-Assessment and Management of Adult Obesity: A Primer for Physicians. Chicago, Ill: American Adapted from Kushner, RF, Roadmaps for Clinical Practice: Case Studies in Disease Prevention and Health Medical Association; 2003.

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Source: Adapted from Clinical Guidelines on the Identification, Evaluation, and Treatment of Overweight and Obesity in Adults: The Evidence Report.

### WISEWOMAN Service Summary

Service	Service Description
Initial and annual	□ Client signs joint agreement to participate in both SMHW and
<b>screening</b> , assessment (at	WISEWOMAN services.
same time as SMHW	□ Client completes WISEWOMAN Assessment form (front and back).
screening assessment)	Clinical Measurements:
	☐ Height and weight for BMI.
	☐ Two blood pressure measurements.
	□ Lab work:
	Total cholesterol + HDL cholesterol
	Blood glucose (fasting or casual) or A1C. A1C may be used for
	screening or to assess diabetes control with previous diagnosis of
	diabetes.
	Assessments and Referrals
	□ Evaluate screening results (including lab results when available).
	□ Assess and document clearance for physical activity.
	□ Schedule client for follow-up as needed: fasting lab work, diagnostic
	office visit and/or case management (alert values only).  □ Ensure alert value screening results receive medical evaluation within 7
	days. Document scheduled or completed medical evaluation in Section D
	of the WISEWOMAN screening form.
Risk reduction	□ Provide screening results to client both verbally and in writing.
counseling	☐ Explain identified risk factors and recommendations to reduce risk.
(completed during	□ Refer client to LSI either on site or at referral clinic or agency.
screening	☐ If client smokes, refer to Missouri Tobacco Quitline.
office visit or at LSI)	□ Refer client to available community resources to support healthy lifestyle
	habits.
	☐ If client refuses LSI or medical referral, note this in comments on the
	screening form. Notify central office staff if client is high risk, but will not
	participate in LSI. Fax or mail refusal.
Lab only	☐ Draw fasting blood for lab work, if indicated on first lab results or two or
(only if indicated)	greater risk score.
	□ Schedule lab work so results are known at diagnostic visit, if feasible.
Diagnostic office visit,	□ Evaluate client's risk factors and provide diagnosis and treatment
20 or 30 minute office	recommendations, if applicable.
visit	□ Prescribe medication, if applicable.
(only if indicated by	☐ Assist client with access to low-cost or free medications.
abnormal blood pressure,	☐ Measure blood pressure to verify elevated readings on initial visit.
cholesterol/lipid, or blood	□ Schedule or confirm scheduled LSI.
glucose screening results).	□ Document results and referrals on Section D of the screening form.
Scheduled within 60 days.	
LSI	□ Provide LSI based on client's risk factor(s) and readiness to change.
	☐ Link client to community resources to support healthy habits.